

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled)

11. (New) A pressure pickup for the registering of a process pressure, comprising:

a pressure measuring cell; and

a platform having a first surface and a second surface, wherein:

through said platform, between said first surface and said second surface, a pressure canal extends, through which said pressure measuring cell is loadable with the process pressure by means of a transmitting medium;

said pressure canal having a flame penetration barrier

said pressure canal includes a first section and a second section, with said flame penetration barrier is arranged in said first section; and

said second section has a bore, in which a fill-body is arranged, said second section does not satisfy the requirements for a flame penetration barrier.

12. (New) A pressure pickup for the registering of a pressure difference between a first process pressure and a second process pressure, comprising:

a pressure-difference measuring cell;

a platform, through which two pressure canals extend, via which said pressure-difference measuring cell is loadable with the first and second process pressures, wherein:

at least one of said two pressure canals has a flame penetration barrier,

at least one of said two pressure canals includes a first section and a second section, with said flame penetration barrier is arranged in said first section, and said second section has a bore, in which a fill-body is arranged; and

said second section does not satisfy the requirements for a flame penetration barrier.

13. (New) The pressure pickup as claimed in claim 11, further comprising: a fill-pin, wherein:

 said first section has a bore, in which said fill-pin is arranged; and
 the remaining gap between the bore and the fill-pin satisfies the requirements for a flame penetration barrier.

14. (New) The pressure pickup as claimed in claim 13, wherein:

 said fill-pin is inserted into said first section as a separate part independently of said fill-body.

15. (New) The pressure pickup as claimed in claim 13, wherein:

 said fill-pin is formed as one piece with said fill-body.

16. (New) The pressure pickup as claimed in claim 14, wherein:

 said fill-pin has a lesser diameter than said fill-body.

17. (New) The pressure pickup as claimed in claim 11, wherein:

 said first section of said pressure canal is manufactured with smaller tolerances than said second section of said pressure canal.

18. (New) The pressure pickup as claimed in claim 13, wherein:

 said fill-pin is manufactured with smaller tolerances than said fill-body.

19. (New) The pressure pickup as claimed in claim 11, wherein:

 said first section has a bore, whose diameter at a given length satisfies the requirements for a flame penetration barrier.

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20. (New) The pressure pickup as claimed in claim 13, wherein:
each of the pressure canals has a flame penetration barrier as well as a first
section and a second section;
and each flame penetration barrier is arranged in said first section, and each
second section has a bore, in which a fill-body is arranged.